

XTRA ENERGY CORP.

WELL# 18

ELEV. 60' K.B.

SURVEY BY EASTMAN

TYPE SINGLE SHOT LAMB. COORD. N 4 041 448 E 4 204 720

MAG. DEC. 14 DEGREES

T.H.E. DIRECTIONAL DRILLING COMPANY

DIST. CARSON

LEASE WILMINGTON

RADIUS OF CURVATURE

PAGE 3

4/25/83

WELL COURSE - N 29 47' E

MEASURED DEPTH	DRIFT ANGLE	DRIFT DIRECTION	VERTICAL DEPTH	SECTION	LATITUDE FEET	DEPARTURE FEET	DOG LEG/100
Projected 4765	26 15	N 34 30 E	3779.12	2650.10	2280.22 N	1351.01 E	.01

THE DOGLEG SEVERITY IS IN DEGREES PER ONE HUNDRED FEET.  
THE VERTICAL SECTION WAS COMPUTED ALONG N 29 47' E  
BASED UPON RADIUS OF CURVATURE TYPE CALCULATIONS.

THE BOTTOM HOLE DISPLACEMENT IS 2650.4 FEET IN THE DIRECTION OF N 30 39' E.  
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELL HEAD.  
VERTICAL SECTION IS RELATIVE TO WELL HEAD.